

67,124-014; R-05323

IN THE CLAIMS

1. (Currently Amended) An absorption solution/refrigerant system comprising:
  - a generator for receiving a mixture of an absorption solution and a refrigerant, and for receiving a source of heat;
    - said generator including a line for taking a refrigerant from said generator to an absorber, and for taking said absorption solution from said generator to said absorber separately from said refrigerant, and including a line from said absorber for returning a combined absorption solution and refrigerant mixture to said generator; and
    - a sensor for sensing an undesirable heat load on said system while said system is operating such that said generator continues to receive said mixture of an absorption solution and refrigerant, and said refrigerant continues to move from said generator to said absorber, and said combined absorption solution and refrigerant continues to move from said absorber to said generator, said sensor providing feedback to a control, said control being operational to effect a device to reduce the heat load on said system should it be determined that an undesirable heat load exists on said system said control providing a warning to building maintenance personnel should said undesirable heat load be determined.
2. (Original) A system as set forth in Claim 1, wherein a temperature sensor senses a temperature within said system, and if said temperature sensor detects an undesirable heat load, said control takes an appropriate action.

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3. (Cancelled)

4. (Currently Amended) An absorption solution/refrigerant system comprising as set forth in Claim 1, wherein:a generator for receiving a mixture of an absorption solution and a refrigerant, and for receiving a source of heat;said generator including a line for taking a refrigerant from said generator to an absorber, and for taking said absorption solution from said generator to said absorber separately from said refrigerant, and including a line from said absorber for returning a combined absorption solution and refrigerant mixture to said generator;a sensor for sensing an undesirable heat load on said system, said sensor providing feedback to a control, said control being operational to effect a device to reduce the heat load on said system should it be determined that an undesirable heat load exists on said system; andsaid source of heat is a heated fluid source, and said control provides a cool fluid source to be mixed with said heated fluid source should said undesirable heat load be determined.

5. (Original) A system as set forth in Claim 1, wherein said control effects control of a valve to further reduce the amount of heat in said system should said undesirable heat load be determined.

6. (Currently Amended) An absorption solution/refrigerant system comprising as set forth in Claim 5, wherein:

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a generator for receiving a mixture of an absorption solution and a refrigerant, and for receiving a source of heat;

said generator including a line for taking a refrigerant from said generator to an absorber, and for taking said absorption solution from said generator to said absorber separately from said refrigerant, and including a line from said absorber for returning a combined absorption solution and refrigerant mixture to said generator;

a sensor for sensing an undesirable heat load on said system, said sensor providing feedback to a control, said control being operational to effect a device to reduce the heat load on said system should it be determined that an undesirable heat load exists on said system;

said control effects control of a valve to further reduce the amount of heat in said system should said undesirable heat load be determined; and

said control normally controls a first diverter valve controlling the amount of heated fluid delivered to said generator, and said control controlling a second bypass valve should said undesirable heat load be determined.

7. (Currently Amended) An absorption solution/refrigerant system comprising as set forth in Claim 1, wherein:

a generator for receiving a mixture of an absorption solution and a refrigerant, and for receiving a source of heat;

said generator including a line for taking a refrigerant from said generator to an absorber, and for taking said absorption solution from said generator to said absorber separately from said

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refrigerant, and including a line from said absorber for returning a combined absorption solution and refrigerant mixture to said generator;

a sensor for sensing an undesirable heat load on said system, said sensor providing feedback to a control, said control being operational to effect a device to reduce the heat load on said system should it be determined that an undesirable heat load exists on said system; and

said source of heat is an engine powered generator, and said control being provided with an indication from said sensor that there is a power failure in said system, said control then diverting power from said engine powered generator to power at least pumps within said system.

8. (Currently Amended) An absorption solution/refrigerant system comprising-as set forth in Claim 1, wherein:

a generator for receiving a mixture of an absorption solution and a refrigerant, and for receiving a source of heat;

said generator including a line for taking a refrigerant from said generator to an absorber, and for taking said absorption solution from said generator to said absorber separately from said refrigerant, and including a line from said absorber for returning a combined absorption solution and refrigerant mixture to said generator;

a sensor for sensing an undesirable heat load on said system, said sensor providing feedback to a control, said control being operational to effect a device to reduce the heat load on said system should it be determined that an undesirable heat load exists on said system; and

said control effects control of a valve to control the amount of heat delivered by said source of heat, said valve further controlling a blower for mixing a cooled source in with said

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source of heat, said valve further controlling a warning to building maintenance personnel, said control operating each of said valve, said blower, and said warning in a hierarchy of levels should said undesirable heat load be determined to be continuing.

9. (Original) A system as set forth in Claim 8, wherein said control further being operational to shut said system down should said undesirable heat load continue even after each of said valve, said blower and said warnings have been effected in response to said undesirable heat load.

10.-11. (Cancelled)